











Product Brief

· ASRock Super Alloy

Premium Alloy Choke (Reduces 70% core loss compared to iron powder choke) NexFET™ MOSEFT

Sapphire Black PCB

- · Supports 5th Generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processors (Socket 1150)
- Supports New 4th and 4th Generation Intel[®] Xeon[®]/Core[™] i7/i5/i3/Pentium[®]/Celeron[®] Processors (Socket 1150)
- · Solid Capacitor design
- · Intel Z97 Chipset
- · Supports Dual Channel DDR3 3100+(OC)
- · 1 PCle 3.0 x16, 1 Vertical Half mini-PCle for WiFi + BT Module
- · Graphics Output Options: D-Sub, DVI-D, HDMI
- · Supports Triple Monitor
- · Qualcomm® Atheros® Gigabit LAN
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), ELNA Audio Caps
- · 5 SATA3, 6 USB 3.0 (2 Front, 4 Rear), 4 USB 2.0 (2 Front, 2 Rear)
- · WLAN: 1 x 802.11ac WiFi + Bluetooth 4.0 module, 2 x ASRock WiFi 2.4/5 GHz Antennas
- · Supports ASRock Full Spike Protection, ASRock Cloud, APP Shop, A-Tuning, Full HD UEFI













/SRock



Detail Specification

Mini-ITX Form Factor

- Solid Capacitor design
 High Density Glass Fabric PCB
- ASRock Super Alloy
 Premium Alloy Choke (Reduces 70% core loss compared to iron powder choke)
 NexFET™ MOSFET
 Sapphire Black PCB
 - ASRock 802.11ac WiFi
 - ASRock Full Spike Protection
 - ASRock Cloud ASRock APP Shop

 - Supports 5th Generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processors (Socket 1150)
 - Supports 5th Generation Intel[®] Core[™] In/Is/6i/Pentium®/Celeron® Processors (Socket 1150 Supports New 4th and 4th Generation Intel[®] Xeon®/Core™ In/Is/6i/Pentium®/Celeron® Proce 4 Power Phase design Supports Intel[®] Turbo Boost 2.0 Technology Supports Intel[®] Turbo Boost 2.0 Technology Supports Intel[®] K-Series unlocked CPUs Supports Intel[®] K-Series unlocked CPUs Supports ASRock BCLK Full-range Overclocking ssors (Socket 1150)
- Dual Channel DDR3 Memory Technology 2 x DDR3 DIMM Slots Supports DDR3 3100+(OC)/2933(OC)/2800(OC)/2400(OC)/2133(OC)/1866(OC)/1600/1333/1066 non-ECC,
 - un-buffered memory
 - Max. capacity of system memory: 16GB
- Supports Intel® Extreme Memory Profile (XMP) 1.3 / 1.2
- 1 x PCI Express 3.0 x16 Slot (PCIE1: x16 mode) 1 x Vertical Half Mini-PCI Express Slot: For WiFi + BT Module
- * Intel® HD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are
 - Foll integrated.

 Supports Intel® HD Graphics Built-in Visuals: Intel® Quick Sync Video with AVC, MVC (S3D) and MPEG-2
 Full HW Encode1, Intel® InTru™3D, Intel® Clear Video HD Technology, Intel® Insider™, Intel® HD Graphics 4400/4600
 - Pixel Shader 5.0, DirectX 11.1 - Max. shared memory 1792MB

 - Max. snared memory 1 r/2/Mbr

 Three graphics output options: D-Sub, DVI-D and HDMI
 Supports Triple Monitor
 Supports HDMI with max. resolution up to 1920x1200 @ 60Hz
 Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz
 Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz
 Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz
 - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI Port

 - Compliant Holl monitor is required)
 Supports HDCP with DVI-D and HDMI Ports
 Supports Full HD 1080p Blu-ray (BD) playback with DVI-D and HDMI Ports
 - 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) - Premium Blu-ray Audio support
 - Supports Surge Protection (ASRock Full Spike Protection)
 ELNA Audio Caps

 - PCIE x1 Gigabit I AN 10/100/1000 Mb/s
 - Polex 1 olganu Lavi or 1000 low more
 Coulacomm® Atheros® AR81171
 Supports Qualcomm® Atheros® Security Wake On Internet Technology
 Supports Wake-On-LAN
 Supports Lightning/ESD Protection (ASRock Full Spike Protection)

 - Supports Energy Efficient Ethernet 802.3az - Supports PXE

- Supports IEEE 802.11a/b/g/n/ac Supports Dual-Band (2.4/5 GHz) Supports high speed wireless connections up to 433Mbps Supports Bluetooth 4.0 / 3.0 + High speed class II

- 1 x PS/2 Mouse/Keyboard Port
- 1 x D-Sub Port 1 x DVI-D Port 1 x HDMI Port
- 1 x Optical SPDIF Out Port
- 2 x USB 2.0 Ports (Supports ESD Protection (ASRock Full Spike Protection))
- 2 x USB 3.0 Ports (Supports ESD Protection (ASRock Full Spike Protection))
 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)
 HD Audio Jacks: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
- 5 x SATA3 6.0 Gb/s Connectors, support RAID (RAID 0, RAID 1, RAID 5, RAID 10, Intel Rapid Storage Technology 13 and Intel Smart Response Technology), NCQ, AHCI and Hot Plug
- - 1 x Chassis Intrusion Header 1 x TPM Header 1 x CPU Fan Connector (4-pin)
 - 1 x Chassis Fan Connector (4-pin)
 - 1 x 24 pin ATX Power Connector
 - 1 x 4 pin 12V Power Connector

 - 1 x 4 pin 1 zV Power Connector 1 x Front Paul Audio Connector 1 x USB 2.0 Header (Supports 2 USB 2.0 ports) (Supports ESD Protection (ASRock Full Spike Protection)) 1 x USB 3.0 Header (Supports 2 USB 3.0 ports) (Supports ESD Protection (ASRock Full Spike Protection))
- 64Mb AMI UEFI Legal BIOS with multilingual GUI support ACPI 1.1 Compliant wake up events SMBIOS 2.3 t support CPU, DRAM, PCH 1.05V, PCH 1.5V Voltage multi-adjustment
- Drivers, Utilities, AntiVirus Software (Trial Version), Google Chrome Browser and Toolbar, Start8 (30 days trial), Orbweb.ME Professional (Win 8.1/7)
- - ASRock A-Tuning ASRock Full HD UFFI
 - ASRock A-Luning ASRock Disk Health Report ASRock USB Key ASRock APP Charger ASRock XFast LAN ASRock XFast RAM
 - ASRock Restart to UEFI

- ASRock Full HU UEFI ASRock My Favorites in UEFI ASRock UEFI Guide ASRock Instant Flash ASRock Internet Flash ASRock Crashless BIOS
- ASRock OMG (Online Management Guard)
- ASRock UEFI System Brows ASRock UEFI Tech Service
- ASRock DEFITIENT Service ASRock Dehumidifier ASRock Easy RAID Installer ASRock Easy Driver Installe
- CPU/Chassis temperature sensing CPUI/Chassis temperature sensing CPUI/Chassis Tachometer CPUI/Chassis Quiet Fan (Auto adjust chassis fan speed by CPU temperature) CPUI/Chassis Fan multi-speed control - CASE OPEN detection
- Voltage monitoring: +12V, +5V, +3.3V, CPU Input Voltage, CPU Internal Voltages

- Quick Installation Guide, Support CD, I/O Shield

- Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit
 - ErP/EuP ready (ErP/EuP ready power supply is required)
 - 2 x SATA Data Cables 1 x WiFi-802.11ac Module
 - 1 x Wiri-Buz. 1 rad. Woutle 2 x SMA WiFi Antenna Cables 2 x ASRock WiFi 2.4/5 GHz Antennas 1 x WiFi Module Bracket 2 x Screws for WiFi Module
- The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than the original product specification is not guaran





ELNA Audio Caps

Who says high quality audio is only available on high-end motherboards? ASRock applied ELNA audio capacitors on mainstream and entry-level motherboards! Compared with traditional solid caps, the leakage current of ELNA audio caps is merely 3uA. This is the key to reduce noise level significantly and satisfy even the pickiest audiophiles.







ASRock Cloud

ASRock Cloud* technology makes your mobile devices connect to your PC seamlessly and supports multi devices for accessing File Explorer cloud service simultaneously! We offer a one-year subscription to Orbweb.ME Professional version, a personal cloud service which is \$49.99 per year. It allows you to get connected with your PC's files, music, photos, and video clips remotely with tablets anytime, anywhere. Plus an additional one-month upgrade to Orbweb.ME Ultimate package with Remote Desktop function.





* OrbWeb ME is provided by a third party. Restriction may apply and the offer is subject to change, termination or discontinuation by the third party without prior notice.

Please visit the website for further details: http://www.asrock.com/feature/cloud/index.html



ASRock APP Shop

We provide various apps and support software for users to download. You can easily optimize your system and keep your motherboard up to date with ASRock APP Shop.





802.11ac WiFi

This motherboard comes with an exclusive 802.11ac WiFi (5G WiFi) module that supports up to 433Mbps wireless networks and Bluetooth v4.0. Experience up to 144% speed boost compared to your old 802.11n WiFi



Solid Capacitor Design

ASRock applied solid capacitors on this motherboard. With these solid caps, this motherboard is allowed to perform more stably and ensure longer lifetime.



3 Graphics Outputs

Complete with all three types of most used connectors! Packed with a D-Sub + DVI + HDMI combo. Plus the HDMI port supports Full HD 1080p Blu-ray (BD) playback.



Triple Monitor

This motherboard supports Triple Monitor. You may choose up to three display interfaces to connect monitors and use them simultaneously.



A-Tuning

A-Tuning is ASRock's multi purpose software suite with a new interface, more new features and improved utilities, including XFast RAM and a whole lot more.